

	Document ID	Issue Date	Pages	Title	Current OR
1	US 20070047678 A1	20070301	37	Method and system for combined polarimetric and coherent processing for a wireless system	375/343
2	US 20060291537 A1	20061228	42	Time transfer utilizing ultra wideband signals	375/145
3	US 20060183454 A1	20060817	11	Adaptive coherent RFID reader carrier cancellation	455/296
4	US 20060082445 A1	20060420	489	Radio frequency data communications device	340/10.4
5	US 20060061453 A1	20060323	25	System and method for locating individuals and equipment, airline reservation system, communication system	340/10.6
6	US 20060044183 A1	20060302	6	Low frequency radar antenna	342/148
7	US 20060033607 A1	20060216	14	System and method for sensitivity optimization of RF receiver using adaptive nulling	340/10.1
8	US 20050280372 A1	20051222	18	Tunable plasma frequency devices	315/111.21
9	US 20050275585 A1	20051215	22	Radar apparatus	342/174
10	US 20050261036 A1	20051124	15	Portable type radio equipment	455/572
11	US 20050159187 A1	20050721	66	Antenna system and method	455/562.1
12	US 20050156806 A1	20050721	90	Radio communication system	343/834
13	US 20050110691 A1	20050526	38	Configurable arrays for steerable antennas and wireless network incorporating the steerable antennas	343/700M S
14	US 20050110674 A1	20050526	65	Tracking apparatus, system and method	342/81
15	US 20050110641 A1	20050526	66	RFID tag reading system and method	340/572.7
16	US 20050088314 A1	20050428	489	Radio frequency data communications device	340/825.36
17	US 20050057432 A1	20050317	39	CONFIGURABLE ARRAYS FOR STEERABLE ANTENNAS AND WIRELESS NETWORK INCORPORATING THE STEERABLE ANTENNAS	343/909

	Inventor
1	Sibecas; Salvador et al.
2	Fullerton; Larry W. et al.
3	Al-Mahdawi; Tareef Ibrahim
4	O'Toole; James E. et al.
5	Tuttle; John R.
6	Wells; Donald R.
7	Bellantoni; John Vincent
8	Anderson, Theodore R.
9	Shima, Nobukazu et al.
10	Sekine, Shu-ichi et al.
11	Mendolia, Greg et al.
12	Ohta, Tomozo et al.
13	Anderson, Theodore R.
14	Mendolia, Greg et al.
15	Mendolia, Greg et al.
16	O'Toole, James E. et al.
17	Anderson, Theodore R.

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18	US 20050042994 A1	20050224	38	Radio apparatus	455/180.3
19	US 20040264592 A1	20041230	37	Polarization state techniques for wireless communications	375/267
20	US 20040203466 A1	20041014	12	Functionality test in a base transceiver station	455/67.14
21	US 20040201457 A1	20041014	490	Radio frequency data communications device	340/10.33
22	US 20040196177 A1	20041007	31	Method and system for calibration of a phase-based sensing system	342/174
23	US 20040087342 A1	20040506	9	Transceiver unit with interference-reducing antenna	455/562.1
24	US 20030193997 A1	20031016	20	System and method for adaptive antenna impedance matching	375/219
25	US 20030160724 A1	20030828	11	Plasma filter antenna system	343/701
26	US 20030142004 A1	20030731	8	Device for transmitting data in a motor vehicle	342/42
27	US 20030122685 A1	20030703	26	System and method for locating individuals and equipment, airline reservation system, communication system	340/825.49
28	US 20030099210 A1	20030529	503	RADIO FREQUENCY DATA COMMUNICATIONS DEVICE	370/311
29	US 20030090405 A1	20030515	13	Spread spectrum radar with leak compensation at baseband	342/21
30	US 20030088180 A1	20030508	30	Space-time microwave imaging for cancer detection	600/430
31	US 20030060227 A1	20030327	17	Portable type radio equipment	455/550.1
32	US 20030043949 A1	20030306	3353	Radio frequency data communications device	375/374
33	US 20020174153 A1	20021121	3354	Radio frequency data communications device	708/252
34	US 20020122010 A1	20020905	37	Electrically small planar UWB antenna apparatus and related system	343/767

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18	Otaka, Shoji et al.
19	Sibecas, Salvador et al.
20	Kiukkonen, Niko et al.
21	O'Toole, James E. et al.
22	Billington, Scott Alexander et al.
23	Fuenfgeld, Martin et al.
24	Dent, Paul W. et al.
25	Alexeff, Igor et al.
26	Gottwald, Frank et al.
27	Tuttle, John R.
28	O'TOOLE, JAMES E. et al.
29	Rauch, Sol et al.
30	Van Veen, Barry D. et al.
31	Sekine, Shu-ichi et al.
32	O'Toole, James E. et al.
33	O'Toole, James E. et al.
34	McCorkle, John W.

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35	US 20020055345 A1	20020509	21	Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system	455/277.1
36	US 20020053994 A1	20020509	21	Planar ultra wide band antenna with integrated electronics	343/824
37	US 20020032009 A1	20020314	39	Radio apparatus	455/83
38	US 20010050580 A1	20011213	501	Radio frequency data communications device	327/158
39	US 20010016479 A1	20010823	21	Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system	455/277.1
40	US 7187288 B2	20070306	65	RFID tag reading system and method	340/572.1
41	US 7184738 B2	20070227	37	Radio apparatus	455/312
42	US 7183922 B2	20070227	64	Tracking apparatus, system and method	340/572.1
43	US 7170867 B2	20070130	55	Radio frequency data communications device	370/311
44	US 7155216 B2	20061226	12	Functionality test in a base transceiver station	455/423
45	US 7099662 B2	20060829	8	Transceiver unit with interference-reducing antenna	455/423
46	US 7085306 B1	20060801	29	System and method for a multi-frequency upstream channel in a computer network	375/132
47	US 7079043 B2	20060718	55	Radio frequency data communications device	340/825.36
48	US 7030732 B2	20060418	25	System and method for locating individuals and equipment, airline reservation system, communication system	340/10.1
49	US 6947513 B2	20050920	54	Radio frequency data communications device	375/374
50	US 6934557 B2	20050823	16	Portable type radio equipment	455/550.1

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35	Wood, Clifton W. JR.
36	McCorkle, John W.
37	Otaka, Shoji et al.
38	O'Toole, James E. et al.
39	Wood, Clifton W. JR.
40	Mendolia; Greg et al.
41	Otaka; Shoji et al.
42	Mendolia; Greg et al.
43	O'Toole; James E. et al.
44	Kiukkonen; Niko et al.
45	Fuenfgeld; Martin et al.
46	Voldman; Mikhail et al.
47	O'Toole; James E. et al.
48	Tuttle; John R.
49	O'Toole; James E. et al.
50	Sekine; Shu-ichi et al.

	Document ID	Issue Date	Pages	Title	Current OR
51	US 6914573 B1	20050705	35	Electrically small planar UWB antenna apparatus and related system	343/767
52	US 6870517 B1	20050322	36	Configurable arrays for steerable antennas and wireless network incorporating the steerable antennas	343/909
53	US 6856281 B2	20050215	29	Method and system for calibration of a phase-based sensing system	342/174
54	US 6845126 B2	20050118	19	System and method for adaptive antenna impedance matching	375/219
55	US 6842146 B2	20050111	11	Plasma filter antenna system	343/701
56	US 6836472 B2	20041228	56	Radio frequency data communications device	370/335
57	US 6836468 B1	20041228	59	Radio frequency data communications device	370/310
58	US 6825773 B1	20041130	54	Radio frequency data communications device	340/825.72
59	US 6816712 B2	20041109	37	Radio apparatus	455/83
60	US 6801153 B2	20041005	13	Spread spectrum radar with leak compensation at baseband	342/21
61	US 6774685 B2	20040810	58	Radio frequency data communications device	327/156
62	US 6771613 B1	20040803	56	Radio frequency data communications device	370/277
63	US 6744411 B1	20040601	12	Electronically scanned antenna system, an electrically scanned antenna and an associated method of forming the same	343/754
64	US 6735183 B2	20040511	59	Radio frequency data communications device	370/311
65	US 6721289 B1	20040413	57	Radio frequency data communications device	370/311
66	US 6696879 B1	20040224	57	Radio frequency data communications device	327/356
67	US 6693581 B2	20040217	9	Device for transmitting data in a motor vehicle	342/70
68	US 6600428 B1	20030729	53	Radio frequency data communications device	340/825.36
69	US 6590545 B2	20030708	37	Electrically small planar UWB antenna apparatus and related system	343/830

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51	McCorkle; John W.
52	Anderson; Theodore R.
53	Billington; Scott Alexander et al.
54	Dent; Paul W. et al.
55	Alexeff; Igor et al.
56	O'Toole; James E. et al.
57	O'Toole; James E. et al.
58	O'Toole; James E. et al.
59	Otaka; Shoji et al.
60	Rauch; Sol et al.
61	O'Toole; James E. et al.
62	O'Toole; James E. et al.
63	Osterhues; Gordon D. et al.
64	O'Toole; James E. et al.
65	O'Toole; James E. et al.
66	O'Toole; James E. et al.
67	Gottwald; Frank et al.
68	O'Toole; James E. et al.
69	McCorkle; John W.

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70	US 6559810 B2	20030506	21	Planar ultra wide band antenna with integrated electronics	343/795
71	US 6509836 B1	20030121	19	Smart reflection antenna system and method	340/572.4
72	US 6509829 B1	20030121	26	System and method for locating individuals and equipment, airline reservation system, communication system	340/10.1
73	US 6466771 B2	20021015	19	Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system	455/101
74	US 6466634 B1	20021015	58	Radio frequency data communications device	375/374
75	US 6396449 B1	20020528	10	Layered electronically scanned antenna and method therefor	343/754
76	US 6384648 B1	20020507	3345	Radio frequency data communications device	327/156
77	US 6351630 B1	20020226	23	Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system	455/101
78	US 6351246 B1	20020226	23	Planar ultra wide band antenna with integrated electronics	343/795
79	US 6351190 B1	20020226	3343	Stage having controlled variable resistance load circuit for use in voltage controlled ring oscillator	331/57
80	US 6339711 B1	20020115	39	Radio apparatus	455/550.1
81	US 6337634 B1	20020108	3336	Radio frequency data communications device	340/825.56
82	US 6316975 B1	20011113	3343	Radio frequency data communications device	327/156
83	US 6314440 B1	20011106	3339	Pseudo random number generator	708/250
84	US 6311638 B1	20011106	15	Plasma processing method and apparatus	118/723M W
85	US 6310579 B1	20011030	9	Method and apparatus for calibrating antenna apparatus and testing an antenna connected thereto	343/703

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70	McCorkle; John W.
71	Ingram; Mary A.
72	Tuttle; John R.
73	Wood, Jr.; Clifton W.
74	O'Toole; James E. et al.
75	Osterhues; Gordon D. et al.
76	O'Toole; James E. et al.
77	Wood, Jr.; Clifton W.
78	McCorkle; John W.
79	O'Toole; James E. et al.
80	Otaka; Shoji et al.
81	O'Toole; James E. et al.
82	O'Toole; James E. et al.
83	O'Toole; James E. et al.
84	Ishii; Nobuo et al.
85	Meredith; Sheldon K.

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86	US 6289209 B1	20010911	20	Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method	455/277.1
87	US 6278698 B1	20010821	3337	Radio frequency data communications device	370/311
88	US 6265963 B1	20010724	20	Methods of processing wireless communication, methods of processing radio frequency communication, and related systems	340/10.4
89	US 6198357 B1	20010306	3328	Stage having controlled variable resistance load circuit for use in voltage controlled ring oscillator	331/57
90	US 6198332 B1	20010306	3336	Frequency doubler and method of doubling frequency	327/356
91	US 6157230 A	20001205	3333	Method for realizing an improved radio frequency detector for use in a radio frequency identification device, frequency lock loop, timing oscillator, method of constructing a frequency lock loop and method of operating an integrated circuit	327/156
92	US 6130602 A	20001010	3335	Radio frequency data communications device	340/10.33
93	US 6127917 A	20001003	26	System and method for locating individuals and equipment, airline reservation system, communication system	340/10.1
94	US 6104333 A	20000815	19	Methods of processing wireless communication, methods of processing radio frequency communication, and related systems	341/173
95	US 6023610 A	20000208	21	Communication system including diversity antenna queuing	455/101
96	US 5929802 A	19990727	25	Automotive forward looking sensor application	342/70
97	US 5923647 A	19990713	7	Circulator usage in time division duplex radios	370/280
98	US 5914671 A	19990622	25	System and method for locating individuals and equipment, airline reservation system, communication system	340/10.42
99	US 5842118 A	19981124	20	Communication system including diversity antenna queuing	455/101

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86	Wood, Jr.; Clifton W.
87	O'Toole; James E. et al.
88	Wood, Jr.; Clifton W.
89	O'Toole; James E. et al.
90	O'Toole; James E. et al.
91	O'Toole; James E. et al.
92	O'Toole; James E. et al.
93	Tuttle; John R.
94	Wood, Jr.; Clifton W.
95	Wood, Jr.; Clifton W.
96	Russell; Mark E. et al.
97	Dolman; Rodney A. et al.
98	Tuttle; John R.
99	Wood, Jr.; Clifton W.

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100	US 5811972 A	19980922	39	Method and apparatus for determining influence of mutual magnetic coupling in electromagnetic propagation tools	324/338
101	US 5613219 A	19970318	7	Transceiver having plural antennas and adjusting the time delay of transmitted signals to match the time delay of received signals	455/78
102	US 5495252 A	19960227	38	Near range obstacle detection and ranging aid	342/127
103	US 5448244 A	19950905	11	Time-sharing radar system	342/155
104	US 5359331 A	19941025	43	Monostatic radar system having a one-port impedance matching device	342/124
105	US 5341814 A	19940830	12	Method for measuring the temperature of a material by using microwave radiation	600/549
106	US 5305469 A	19940419	8	Modem for telecommunication system with a reflection amplifier function	455/78
107	US 5305008 A	19940419	29	Transponder system	342/44
108	US 5302958 A	19940412	16	Low loss, fast switching, tunable filter circuit	342/157
109	US 5134715 A	19920728	13	Meteor scatter burst communications systems	455/64
110	US 4983976 A	19910108	19	Signal transmission system and method	342/42
111	US 4825214 A	19890425	10	Frequency-modulated continuous wave radar for range measuring	342/128
112	US 4806944 A	19890221	19	Switchable matching network for an element of a steerable antenna array	343/745
113	US 4796031 A	19890103	11	Radar system	342/148
114	US 4737788 A	19880412	23	Helicopter obstacle detector	342/29
115	US 4725842 A	19880216	12	Isolation apparatus for a continuous-wave radar system	342/198
116	US 4682176 A	19870721	9	Active matching transmit/receive module	342/175
117	US 4661817 A	19870428	10	Method and apparatus for measuring the distance to an object	342/124
118	US 4626856 A	19861202	11	Radar signal correction system	342/174
119	US 4491845 A	19850101	7	Wide angle phased array dome lens antenna with a reflection/transmission switch	343/754

	Inventor
100	Thompson; Larry W. et al.
101	Vogel; Martin et al.
102	Adler; Zdenek
103	Komatsu; Satoru et al.
104	Adler; Zdenek
105	Van De Velde; Jean-Claude et al.
106	Camiade; Marc et al.
107	Turner; Leigh H. et al.
108	Roberts; Roger G. et al.
109	Parl; Steen A. et al.
110	Ogata; Akimitsu et al.
111	Dejaegher; Daniel
112	Jacomb-Hood; Anthony W.
113	Koki; Nakatsuka
114	Kennedy; Peter D.
115	Mayberry; Ted R.
116	Jones; Edward J.
117	Bekkadal; Fritz et al.
118	Pierson; Willis A. et al.
119	Rothenberg; Carl

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120	US 4315264 A	19820209	15	Circularly polarized antenna with circular arrays of slanted dipoles mounted around a conductive mast	343/797
121	US 4195296 A	19800325	6	Microwave circulator	342/114
122	US 4160248 A	19790703	7	Solid state pulsed coherent Doppler radar	342/115
123	US 4075555 A	19780221	16	Electronic phase comparison apparatus for the remote measurement of layer thickness	324/644
124	US 4063249 A	19771213	7	Small broadband antenna having polarization sensitive reflector system	343/756
125	US 3913012 A	19751014	5	Microwave moisture measuring system with reflection suppressing means	324/640
126	US 3842418 A	19741015	7	RADAR CROSS-SECTION MEASUREMENT APPARATUS	342/200
127	US 3831174 A	19740820	105	AUTOMATIC TARGET ACQUISITION IN MTI RADAR SYSTEM	342/90
128	US 3696430 A	19721003	12	HIGH GAIN TWO BAY UNIDIRECTIONAL BROADBAND ANTENNA	343/792.5
129	US 3611139 A	19711005	7	ORTHOGONAL MIXER F F REPEATER	455/19
130	US 3584293 A	19710608	14	ELEMENTS FOR STEERING THE BEAM OF HELICAL ANTENNA FOR USE IN A BOREHOLE PENETRATING AN EARTH FORMATION	324/303
131	JP 2002022820 A	20020123	6	SPACE-FEED PHASED ARRAY ANTENNA DEVICE	
132	JP 06268438 A	19940922	5	MULTIPLE REFLECTING MIRROR ANTENNA	
133	US 20050057432 A	20050317	36	Configurable array for steerable antennas, is configured to filter, polarize, deflect at non-backscattering angles, or phase shift incident electromagnetic wireless signal having frequency between 1 kHz and 1000 THz	
134	EP 258917 A	19880309	10	FM CW radar altimeter with phase-locked loop - has PLL cut-off set just below frequency of subtractive beat between echo and local oscillator signal	

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120	DuHamel; Raymond H.
121	Williams; John C.
122	Hubka; Theodore et al.
123	Wight; James S. et al.
124	Bergander; Armin et al.
125	Kujath; Klaus
126	Lorber; Herbert W.
127	King; Donald L. et al.
128	Cory; Terry S. et al.
129	George; Quintin H.
130	Iizuka; Keigo
131	TOKAJI, ISAO et al.
132	HIRABE, MASAJI
133	ANDERSON, T R
134	DEJAEGHER, D